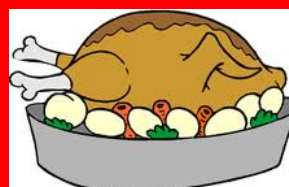


1. Simplify:

$$4x - 5y + 12x + 3x$$



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2. Simplify

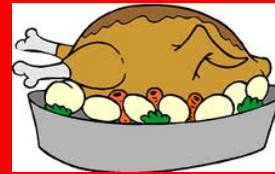
$$13x + \frac{2}{3}y + 11 + \frac{1}{4}y + 9$$



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3. Simplify

$$13x + 2 - 5y + 6y + 8 - x$$



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4.

Ashley used the method shown below to add  $\frac{3}{5}$  and  $\frac{1}{4}$ .

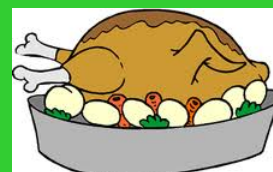
Step 1  $\frac{3}{5} + \frac{1}{4} = 0.6 + 0.25$

Step 2  $= 0.85 = \frac{85}{100}$

Step 3  $= \frac{17}{20}$

Is Ashley's work correct? If not, which is the first incorrect step?

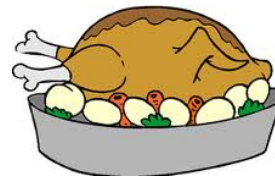
- A. All steps are correct
- B. Incorrect step is 1.
- C. Incorrect step is 2.
- D. Incorrect step is 3.



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5. Simplify.

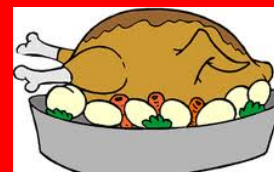
$$x + \frac{2}{3}x + 6 + \frac{3}{5}x$$



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6. Simplify.

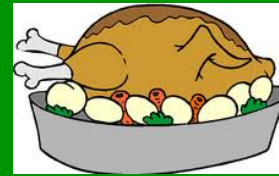
$$2(5x - 1) + 3x$$



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7. Simplify.

$$-6x + 4(2x - 7)$$



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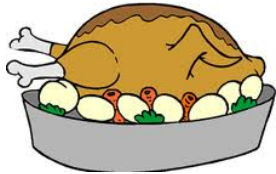
8. Simplify.

$$7 - (3x - 4)$$





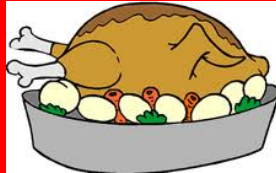
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9. Carrie is making a cake recipe that calls for  $2\frac{3}{4}$  cups of sugar. She needs  $1\frac{2}{3}$  cups of sugar for the frosting. What is the total amount of sugar used?

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10. Simplify.  
 $5(-2x + 4) + 3x - 2$

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11. The area of a rectangle is  $4x + 12$ , and the length is 2. What is the width of the rectangle?

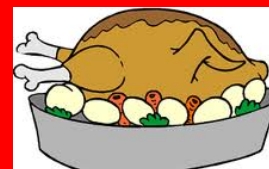


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12

Which expression is equivalent to  $m + (p + 6)$  by the associative property?

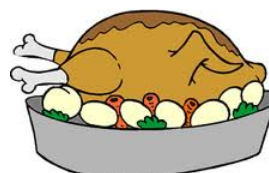
- A  $(m + p) + 6$
- B  $m + (6 + p)$
- C  $(p + 6) + m$
- D  $p + 6 + m$



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13. Simplify.

$$\frac{3}{4}(8x - 12) - \frac{1}{2}(2x - 4)$$



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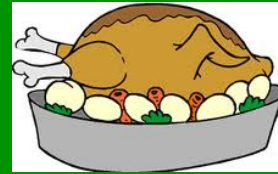
14. Simplify.

$$(-2x + 7) - (3x + 22)$$



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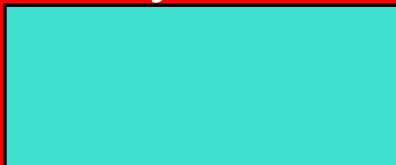
15. 4 friends went to the movies. Their bill was  $4x + 24$ , where  $x$  is the price of a movie ticket. If the friends split the bill evenly amongst the 4 of them, what expression represents the amount each friend had to pay?



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16. Area?

$$3y - 2$$



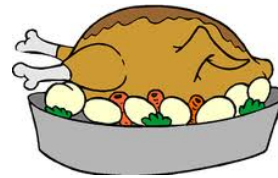
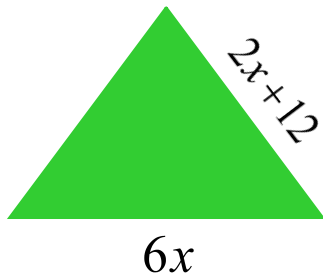
2



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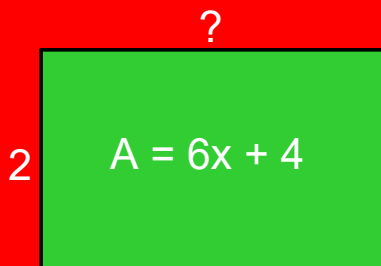


17. The perimeter is  $11x + 17$ .  
 What is the missing side?



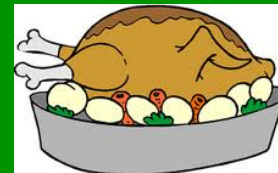
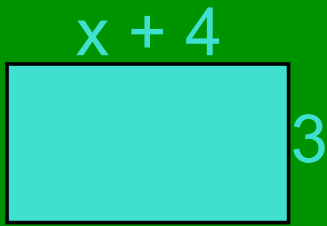
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18. If the area of the rectangle below is  $6x + 4$   
 and the width is 2, what is the length?



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19. Represent the AREA and PERIMETER in terms of  $x$ .



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20.

By what property are  $x + 3(7 - x)$  and  $x + 21 - 3x$  equivalent?



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# Summary

Test tomorrow.....thoughts?!

Jun 5-8:40 AM